

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

FISCHER MATERIALS COMPANY, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

limestone, sand & gravel in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 11 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Morgan	17	41N	17W	2	0	2	Site #1/Big Gravois Floodplain	1393 ✓
Morgan	04	41N	17W	1	0	1	Site #4/Little Gravois Creek (Gravel Bar #2)	0503 ✓
Morgan	17	41N	17W	8	0	8	Site #2/Limestone Quarry	0506 ✓

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 29th day of January 2004



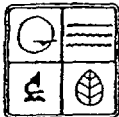
DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0490  
Effective Date 02/29/2004  
Expiration Date 02/28/2005

MO 780-1122 (6-95)

# RECEIVED



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

JAN 28 2004

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>FISCHER MATERIALS CO INC.</b>		STATE <b>MO</b>	
ADDRESS <b>30505 GREEN VALLEY RD.</b>		CITY <b>GRAVOIS MILLS</b>	ZIP CODE <b>65037</b>
CONTACT PERSON <b>JOHN FISCHER</b>		TELEPHONE NUMBER <b>573-372-2340</b>	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. # <b>1 - 0490</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300.00</b>
2. # <b>2 - 0490</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300.00</b>
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4. # <b>4 - 0490</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300.00</b>
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$

2. Acreage Fee \$5 X **10** number of acres bonded ..... \$ **50.00**

3. Annual Permit Fee ..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3) ..... \$ **1,450.00**

NOTE: If Total Fee exceeds \$2,500.00 then pay only ..... \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee ..... \$ 300

SIGNATURE OF APPLICANT <i>John P. Fischer</i>	TITLE <b>PRESIDENT</b>	DATE <b>1-27-04</b>
--	---------------------------	------------------------

Appeared before me this **27th** day of **January**, 20**04**. **John P Fischer**  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>MORGAN</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>27th</b> DAY OF <b>January</b> YEAR <b>2004</b>	
	NOTARY PUBLIC SIGNATURE <i>Nancy Wilson</i>	MY COMMISSION EXPIRES <b>July 19, 2005</b>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>Nancy Wilson</b>	

**NANCY WILSON**  
Notary Public - Notary Seal  
STATE OF MISSOURI  
Morgan County  
My Commission Expires July 19, 2005

FOR DEPARTMENT USE ONLY: APPROVED BY <i>Darryl Hopkins</i>	DATE APPROVED <b>01/29/04</b>	PERMIT NUMBER <b>0490</b>	My Commission Expires <b>02/28/2005</b>
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# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

FISCHER MATERIALS COMPANY, INC.

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This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission

IN WITNESS WHEREOF I have hereunto set my hand this 29th day of January 2004

Permit No. 0490

Effective Date 02/29/2004

Expiration Date 02/28/2005

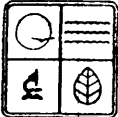
AP 178-11-2 (6-95)

DIRECTOR OF STAFF

Land Reclamation Commission

RECEIVED

JAN 28 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>FISCHER MATERIALS CO INC.</b>		STATE <b>MO</b>	
ADDRESS <b>30505 GREEN VALLEY RD.</b>		CITY <b>GRAVOIS MILLS</b>	ZIP CODE <b>65037</b>
CONTACT PERSON <b>JOHN FISCHER</b>		TELEPHONE NUMBER <b>573-372-2340</b>	

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5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
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TOTAL SITE FEE		\$

2. Acreage Fee \$5 X 10 number of acres bonded .....\$ 50.00

3. Annual Permit Fee.....\$ 500

4. Total Fee (Add totals from 1, 2 and 3).....\$ 1,450.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only .....\$ 2,500

## SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee.....\$ 300

SIGNATURE OF APPLICANT <i>John P. Fischer</i>	TITLE <i>PRESIDENT</i>	DATE <i>1-27-04</i>
--	---------------------------	------------------------

Appeared before me this 27th day of January, 2004, John P Fischer  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF <u>Missouri</u>	COUNTY (OR CITY OF ST. LOUIS) <u>MORGAN</u>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>27th</u> DAY OF <u>January</u> YEAR <u>2004</u>	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <i>Nancy Wilson</i> NOTARY PUBLIC NAME (TYPED OR PRINTED) <u>Nancy Wilson</u>	MY COMMISSION EXPIRES <u>July 19, 2005</u>
FOR DEPARTMENT USE ONLY: APPROVED BY <i>Larry Hopkins</i>		DATE APPROVED <u>01/29/04</u>
PERMIT NUMBER <u>0490</u>		My Commission Expires <u>July 19, 2005</u>



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

**SITE INFORMATION FORM**

**RECEIVED**  
AUG 24 1998

MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <b>Fischer Materials #2 (limestone quarry)</b>		PERMIT NUMBER <b>0490</b>	
COMPANY NAME <b>Fischer Materials</b>			
COUNTY <b>Morgan</b>	1/4 SECTION <b>NW</b>	SECTION <b>17</b>	
TOWNSHIP <b>41N</b>	RANGE <b>17W</b>	ACRES <b>4 8</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>N/A</b>			
MINERAL COMMODITY <b>Limestone</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>N/A</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Fischer Materials</b>		
ADDRESS <b>Rt. 3, Box 88</b>		
CITY <b>Versailles</b>	STATE <b>MO</b>	ZIP CODE <b>65084</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <b>1985</b>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>Same as above.</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		
<b>NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.</b>		



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

RECEIVED  
AUG 24 1998

P.O. BOX 176  
JEFFERSON CITY, MO 65102

MISSOURI LAND

RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR  
☒ LONG TERM, FOR PERIOD THROUGH DATE: September 1, 2028

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers an area of approximately 325 acres (see attached maps). Highway 5 passes through the area, separating about 90 acres of floodplain area along the Big Gravois Creek (on the northeast side of the area) from the remaining mine plan area (where the mine will initially be located) which consists of steeply sloped and heavily wooded ground. The topsoil is mostly thin and rocky, and averages about 12" in depth.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers and excavators will be used to remove topsoil and relocate it on-site.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The dozers and scrapers will relocate the topsoil at the mine plan site and will spread out and level the topsoil so that very minimal erosion occurs.

RECEIVED  
AUG 24 1998

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND  
RECLAMATION COMMISSION

There will be no spoil.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None.

**PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See attached map.

**YES NO**

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**

**A. REVEGETATION** (Attach additional sheets, if needed)

MISSOURI LAND

RECLAMATION COMMISSION

REVEGETATION MIX #1

#1

PURPOSE OR LAND USE

Wildlife

B. SEEDING OR PLANTING TIME

Spring & Autumn

**DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING**

At the beginning of the first growing season following topsoil replacement, the seed will be broadcast. The equipment used will most likely be a disc.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard grass	15	Trees will volunteer.	
Lespidiza	15		
Alfalfa	15		
Wheat (if spring), or Oats (if fall)	10		

VEGETATION MIX #2

#2

PURPOSE OR LAND USE

Development

B. SEEDING OR PLANTING TIME

Spring & Autumn

**DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING**

Same as used for Mix #1.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	20		
Lespidiza	15		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.



**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND  
RECLAMATION COMMISSION

Reclaimed topography will be graded to slopes traversable by farm machinery.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

**GRADING**

Grading will be done after the quarry is no longer being excavated and the equipment is gone. Final grading, including topsoil replacement, will be completed within one year after the expiration of permit or permit renewal on all mined-out portions.

**REPLACEMENT OF TOPSOIL**

Topsoil ("A horizon") and subsoil ("B horizon") will be replaced to a combined uniform depth of 12 inches, and disced to reduce compaction. Topsoil will be replaced within one year after the expiration of permit or permit renewal on all mined-out portions.

**REVEGETATION**

Seeding will be performed during the first optimum seeding period following topsoil replacement. Seeding will be complete within 24 months after the expiration of the permit or permit renewal, with survival of vegetation by the second growing season.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

The combined depth of A horizon and B horizon will be 12 inches.

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

235

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

75

Water impoundments (for wildlife, agricultural, or development)

15

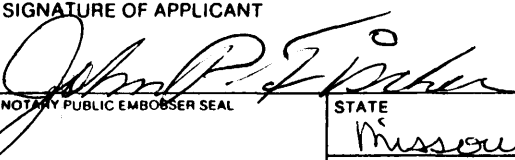
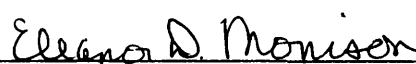
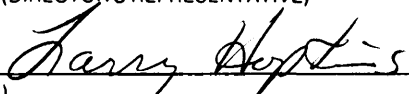
Total: 325

RECEIVED  
AUG 24 1998

By my signature, I attest to the following:

MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE <b>PRESIDENT</b>	DATE <b>8/21/98</b>	
NOTARY PUBLIC EMBOSSE SEAL	STATE <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>Morgan</b>		
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>21<sup>st</sup></b> DAY OF <b>August</b> 19 <b>98</b>			
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES <b>10/18/01</b>	<b>USE RUBBER STAMP IN CLEAR AREA BELOW</b>  <b>ELEANOR D MORRISON</b> <b>NOTARY PUBLIC STATE OF MISSOURI</b> <b>MORGAN COUNTY</b> <b>MY COMMISSION EXP. OCT. 18, 2001</b>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>Eleanor D. MORRISON</b>			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED <b>09/14/98</b>	PERMIT NUMBER <b>0490</b>	



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

RECEIVED

FEB 29 1996

M. E. C.

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER

FISCHER MATERIALS  
GRAVEL BAR #2

PERMIT NUMBER

490

COMPANY NAME

FISCHER MATERIALS CO

COUNTY

MORGAN

1/4 SECTION

NWQ / NEQ

SECTION

4

TOWNSHIP

41 N

RANGE

17 W

ACRES

1

RIVER OR STREAM NAME (FOR IN-STREAM ACRES)

LITTLE GRAVOIS CREEK

MINERAL COMMODITY

GRAVEL

ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

3,000 TONS/YEAR

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)

JOHN P. FISCHER & CAROL G. FISCHER

ADDRESS

R#3 Box 88

CITY

VERSAILLES

STATE

MO

ZIP CODE

65084

SOURCE OF RIGHT TO MINE (CHECK ONE):

☐ MINERAL DEED

☐ LEASE

☒ WARRANTY DEED

☐ VERBAL AGREEMENT

☐ OTHER (DESCRIBE):

DATE OF AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)

ADDRESS

CITY

STATE

ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

☐ MINERAL DEED

☐ LEASE

☐ WARRANTY DEED

☐ VERBAL AGREEMENT

☐ OTHER (DESCRIBE):

DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



**STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3**

(Required for in-stream sites, or as required by the Director)

Fischer Materials  
#490

TYPE OF PLAN  
(CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 12/31/2002

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

BANKS ARE PROTECTED BY WILLOWS. SOME  
BANKS ARE STEEP WHILE OTHERS ARE GRADUAL.  
VEGETATION & WATER QUALITY ARE GOOD

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE.

WILL BE STAYING AWAY FROM BANKS EXCEPT FOR  
CURRENTLY ESTABLISHED HAUL ROAD.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE.

MINING OPERATION ON GRAVEL BARS WILL BE AWAY  
FROM FLOWING WATER.

**RECEIVED**

**FEB 29 1996**

**M. E. C.**

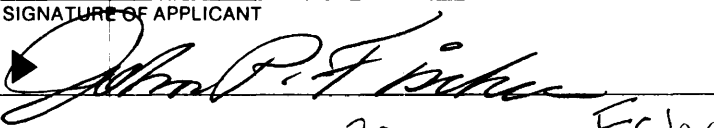

DESCRIBE METHODS USED TO PROTECT WATER QUALITY, SUCH AS INSTALLING EROSION CONTROL DEVICES, IF APPLICABLE.

IF CREEK HAS TO BE CROSSED, WE  
INSTALL TEMPORARY CULVERTS TO PREVENT  
EXCESS SEDIMENT DOWNSTREAM

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FEB 29 1996  
M. E. C.

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT 		TITLE OWNER	DATE 2/20/96
Appeared before me this <u>20</u> day of <u>February</u> , 19 <u>96</u> , <u>John P. Fischer</u> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSER SEAL	STATE OF <u>Missouri</u>		COUNTY (OR CITY OF ST. LOUIS) <u>Morgan</u>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>20th</u> DAY OF <u>February</u> , 19 <u>96</u>		USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <u>Eleanor D. Morrison</u>	MY COMMISSION EXPIRES <u>10-18-97</u>	ELEANOR D MORRISON NOTARY PUBLIC STATE OF MISSOURI MORGAN COUNTY MY COMMISSION EXP. OCT. 18, 1997
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Eleanor D. Morrison		
APPROVED BY (DIRECTOR'S REPRESENTATIVE)  MEC, P.C.		TITLE	DATE APPROVED <u>3/1/96</u>



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

RECEIVED  
MAR 13 1995  
MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER FISCHER MATERIALS GRAVEL BAR #1		PERMIT NUMBER 490	
COMPANY NAME FISCHER MATERIALS CO.			
COUNTY MORGAN	1/4 SECTION	SECTION 7 & 8	
TOWNSHIP 41 N	RANGE 17 W	ACRES 2	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) BIG GRAVOIS CREEK			
MINERAL COMMODITY GRAVEL		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) 1,000 TONS/YEAR	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) JOHN P. FISCHER & JOHN Q. FISCHER		
ADDRESS R#3 BOX 88		
CITY VERSAILLES	STATE MO.	ZIP CODE 65084
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 3/1/95
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) JOHN P. FISCHER & JOHN Q. FISCHER		
ADDRESS R#3 BOX 88		
CITY VERSAILLES	STATE MO	ZIP CODE 65084
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT JAN 29
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

**STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3**

(Required for in-stream sites, or as required by the Director)

TYPE OF PLAN  
(CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2002

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

BANKS ARE PROTECTED BY WILLOWS. SOME  
BANKS ARE STEEP WHILE OTHERS ARE GRADUAL.  
VEGETATION & WATER QUALITY ARE GOOD

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE.

WILL BE STAYING AWAY FROM BANKS EXCEPT FOR  
CURRENTLY ESTABLISHED HAUL ROAD.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN IN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE.

MINING OPERATION ON GRAVEL BARS WILL BE AWAY  
FROM FLOWING WATER.

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JAN 29 1993

MISSOURI LAND  
RECLAMATION COMMISSION

DESCRIBE METHODS USED TO PROTECT WATER QUALITY, SUCH AS INSTALLING EROSION CONTROL DEVICES, IF APPLICABLE.

HAVE INSTALLED TEMPORARY CULVERTS SO WATER AND SEDIMENT WILL NOT BE AFFECTED.

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT

TITLE

DATE

*John P. Fischer*

PT IN AND

1-27-93

Appeared before me this 27 day of January, 1993.

John P Fischer

who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEY SEAL

STATE OF

Missouri

COUNTY (OR CITY OF ST. LOUIS)

SUBSCRIBED AND SWORN BEFORE ME, THIS

27 DAY OF January, 1993

Morgan

USE RUBBER STAMP IN CLEAR AREA BELOW.

NOTARY PUBLIC SIGNATURE

MY COMMISSION EXPIRES

*Catharine Stacy Daniels* 115-94

NOTARY PUBLIC NAME (TYPED OR PRINTED)

Catharine Stacy Daniels

APPROVED BY (DIRECTOR'S REPRESENTATIVE)

TITLE

DATE APPROVED

*Philip A. Schmidt* for MK

2/3/93



Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
  1. At minimum, the detailed map must show the following:
    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.

JAN 29 1992  
MISSOURI  
RECLAMATION COMMISSION



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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MAR 13 1995

MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER FISCHER MATERIALS GRAVEL PIT #1		PERMIT NUMBER 490
COMPANY NAME FISCHER MATERIALS CO		
COUNTY MORGAN	1/4 SECTION	SECTION 17
TOWNSHIP 41 N	RANGE 17 W	ACRES 2
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY GRAVEL	ESTIMATED TONS/YEAR (FOR GRAVEL SITES) 3,000 TONS/YEAR	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) JOHN P. FISCHER & JOHN Q. FISCHER		
ADDRESS R#3 Box 88		
CITY VERSAILLES	STATE MO	ZIP CODE 65084
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) JOHN P. FISCHER & JOHN Q. FISCHER		
ADDRESS R#3 Box 88		
CITY VERSAILLES	STATE MO	ZIP CODE 65084
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

REVISED

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1993



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

**RECEIVED**

P.O. BOX 176  
JACKSON CITY, MO 65102  
MAR 26 2002

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2002

MISSOURI LAND  
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Grassy field, flat, approximately 24 inches of black topsoil on top of gravel being mined

**OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.**

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

24

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Topsoil will be removed by front end loader, dragline and dump truck

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil will be piled and revegetated so that it will not be eroded away.

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

TOPSOIL OVER GRAVEL DEPOSIT WILL BE SPREAD OVER ADJOINING  
PROPERTY & RESEADED AS IT IS REMOVED FROM PIT AREA.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

N A

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See maps

YES

NO

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.****A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

Gravel Pit #1

water-developmental

fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING  
Will use farm machinery and seeder, will disc and seed topsoil

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
fescue and lespedeza	40 lbs/acre		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING**

## DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

reclaimed topography will be generally flat with gently dipping slopes down to the water shore

*This pit<sup>pond</sup> (2 acres) is the only thing permitted. They will be placing the original topsoil (once reclaimed) around the pond & revegetating this area (this appears to be on & above the map).*

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

## GRADING

will be completed first as weather permits continuously with topsoiling and seeding

## REPLACEMENT OF TOPSOIL

will be completed after grading of edges of pit are completed continuously with grading and seeding

## REVEGETATION

will be completed after topsoil is replaced; will be done continuously with grading and seeding

## AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12 inches

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

2 acres

By my signature, I attest to the following:

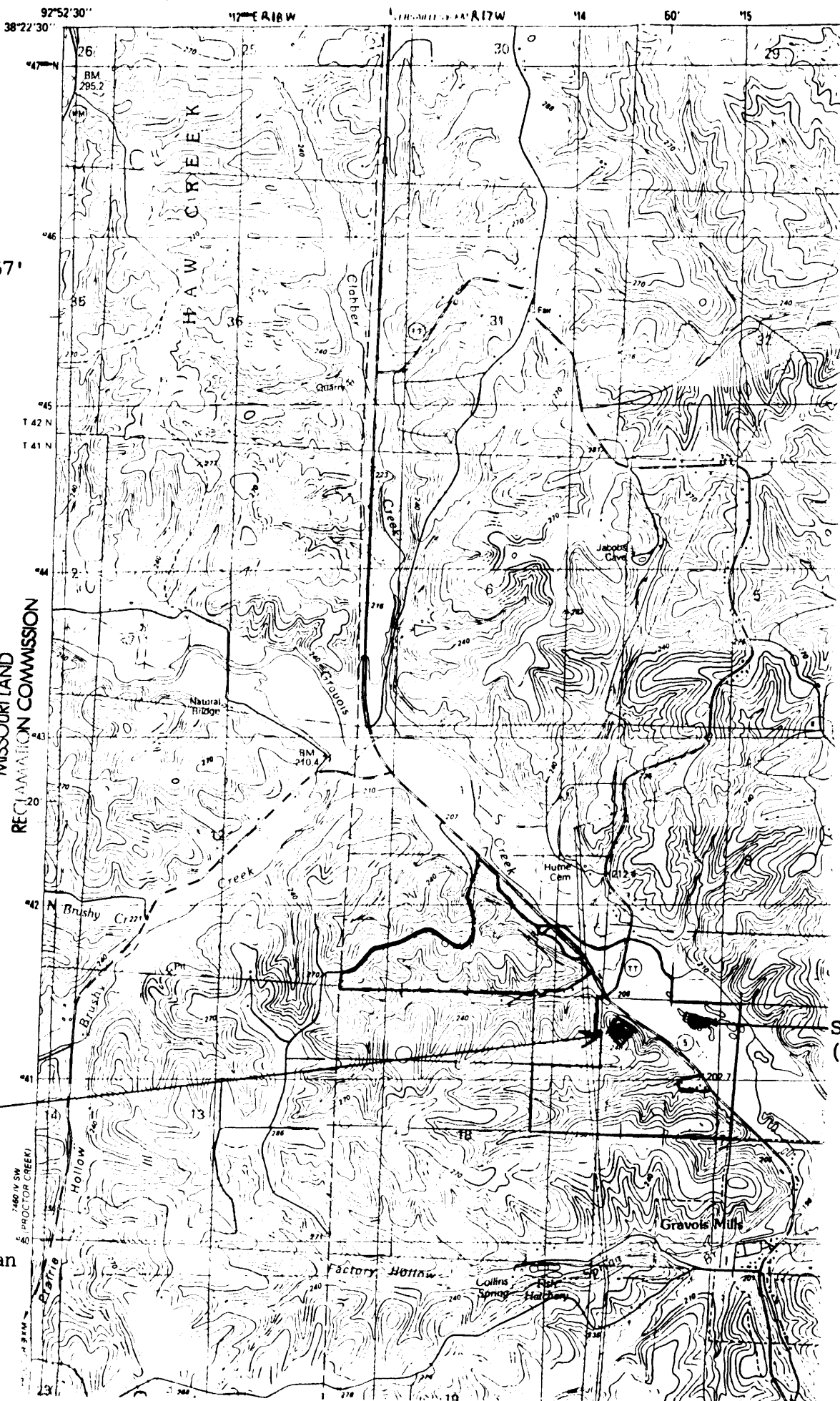
1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>John P. F. Pike</i>		TITLE <i>PARTNER</i>	DATE <i>3-18-92</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>MISSOURI</i>	COUNTY (OR CITY OF ST. LOUIS) <i>MORGAN</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>18th</i> DAY OF <i>MARCH</i> <i>1992</i>		<b>USE RUBBER STAMP IN CLEAR AREA BELOW</b>
	NOTARY PUBLIC SIGNATURE <i>Jeri Merriott</i>	MY COMMISSION EXPIRES <i>11/26/93</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>TERI MERRIOTT</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Philip A. Belmont for MK</i>		DATE APPROVED <i>2/3/93</i>	PERMIT NUMBER <i>490</i>

LOCATOR MAP

Map prepared by Curtis Heider, EEC  
Date: 8/14/98

GEOLOGICAL SURVEY



North

Scale:  
1" = 2,667'

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AUG 24 1998

MISSOURI LAND  
RECLAMATION COMMISSION

Fischer  
Materials

Site #2  
(limestone  
quarry)

NW $\frac{1}{4}$ , NW $\frac{1}{4}$ ,  
S17, T41N,  
R17W, Morgan  
County

Site #1  
(gravel pit)

Gravels Mill

Factory Hollow

Collins  
Spring

Collins  
Spring

Collins  
Spring

Collins  
Spring

Collins  
Spring

Collins  
Spring



ADDENDUM TO DETAIL MAP

Fischer Materials

Map Prepared By: Curtis Heider

Date Prepared: 8/27/98

Scale: 1" = 550'

part of 235 acres to be used for  
wildlife after reclamation,

Total Mine Plan Area

= 325 acres

NW $\frac{1}{4}$  (part) of S17,

NE $\frac{1}{4}$  (part) of S18,

SW $\frac{1}{4}$  (part) of S8,

and SE $\frac{1}{4}$  (part) & SW $\frac{1}{4}$  (part)

of S7, T41N, R17W, Morgan Co.

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Big Gravois Cr.

MISSOURI LAND

part of 75 RECLAMATION COMMISSION

(area north of

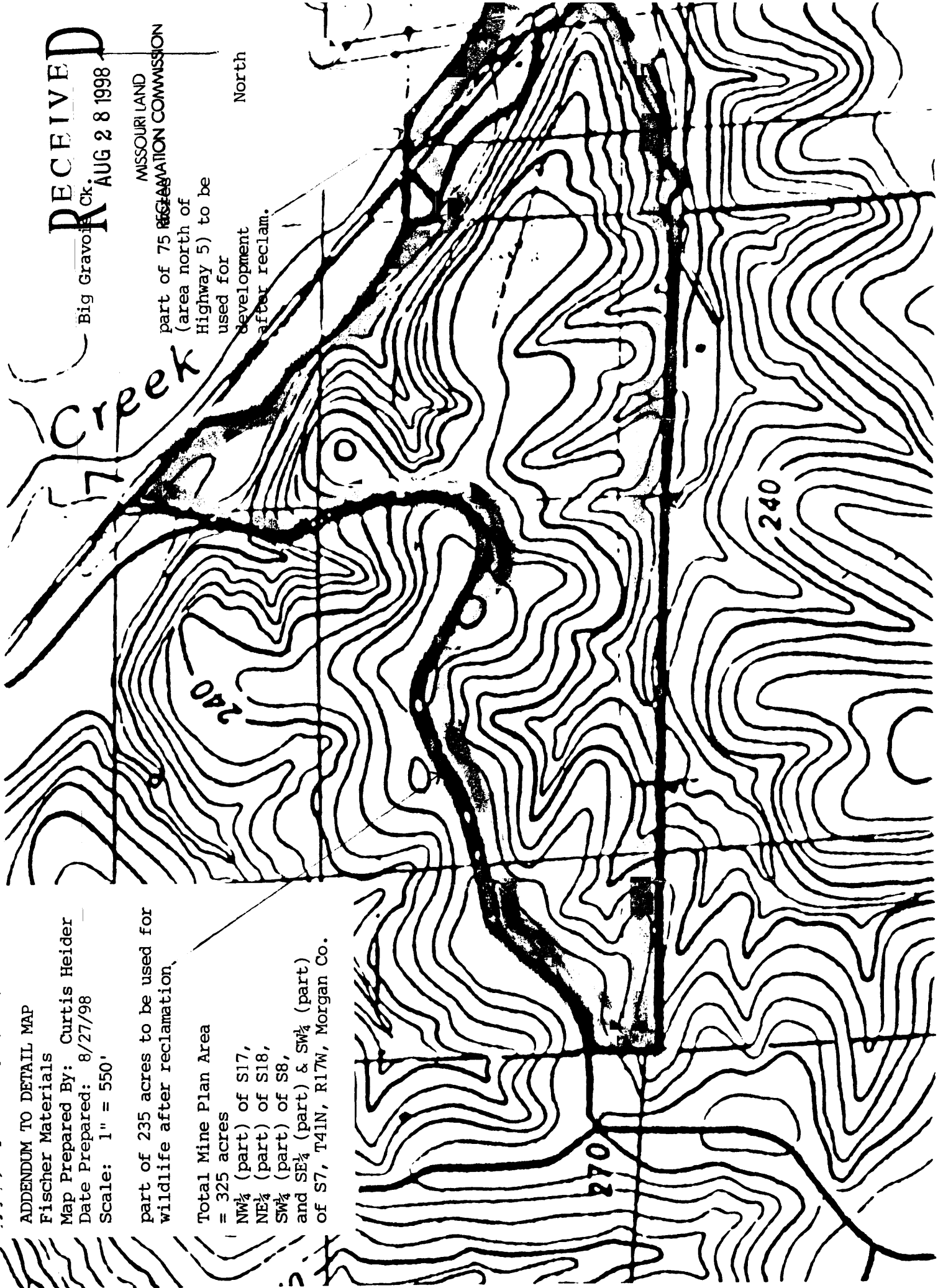
Highway 5) to be

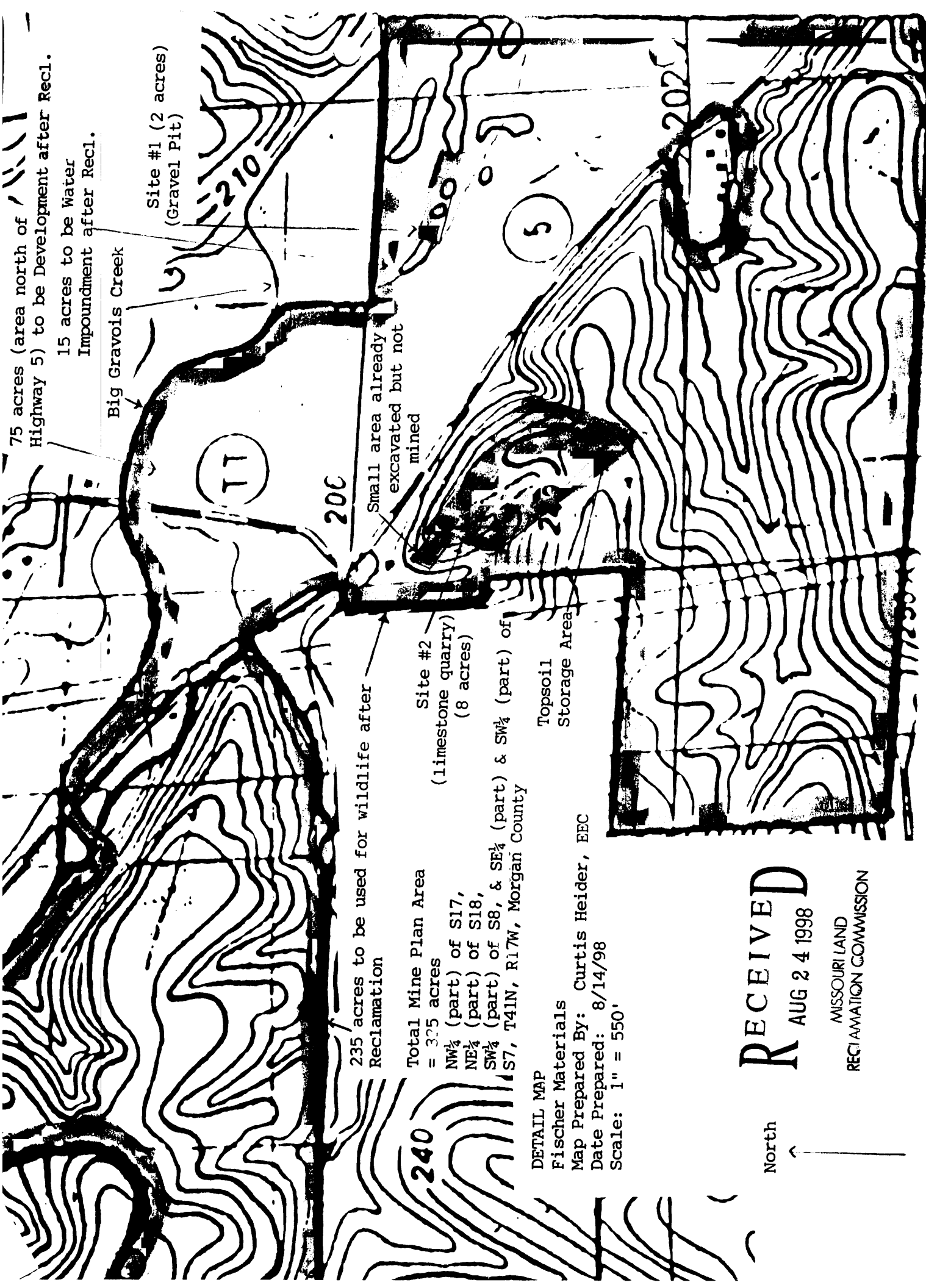
used for

development

after reclaim.

North





75 acres (area north of Highway 5) to be Development after Recl.  
15 acres to be Water Impoundment after Recl.

Big Gravois Creek

Site #1 (2 acres)  
(Gravel Pit)

235 acres to be used for wildlife after Reclamation

Total Mine Plan Area = 325 acres

NW 1/4 (part) of S17,  
NE 1/4 (part) of S18,  
SW 1/4 (part) of S8, & SE 1/4 (part) of S7, T41N, R17W, Morgan County

Site #2  
(limestone quarry)  
(8 acres)

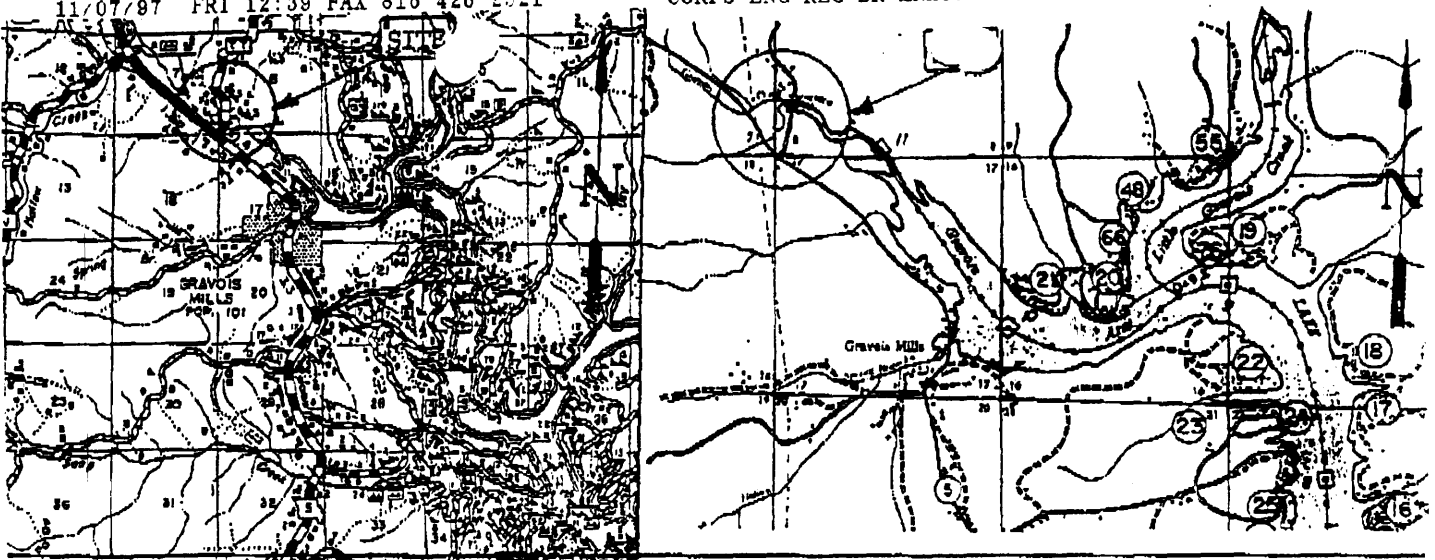
Small area already excavated but not mined

Topsoil Storage Area

DETAIL MAP  
Fischer Materials  
Map Prepared By: Curtis Heider, EEC  
Date Prepared: 8/14/98  
Scale: 1" = 550'

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RECLAMATION COMMISSION

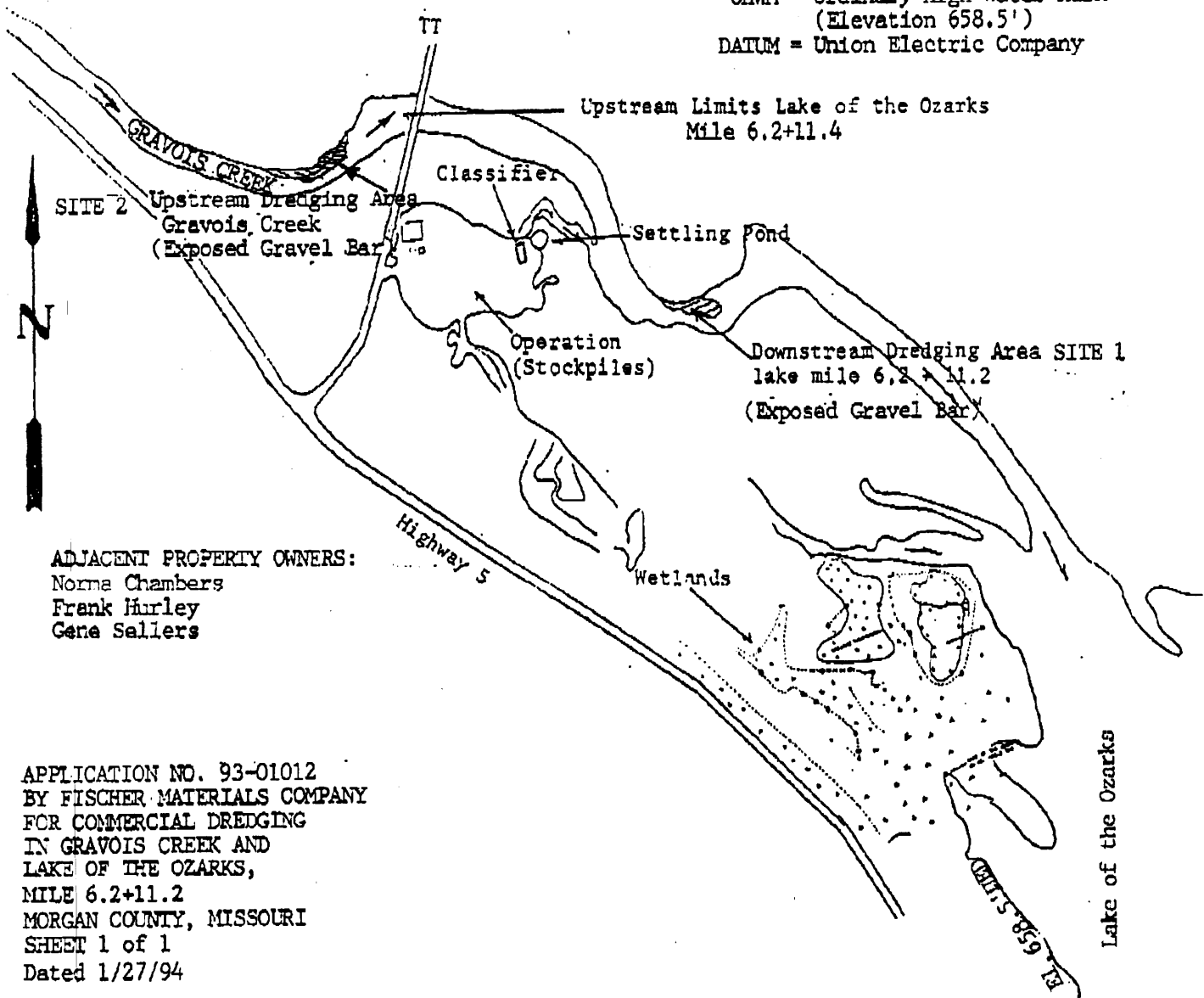
North



LOCATION MAPS  
SECTIONS 7 & 8, T41N, R17W

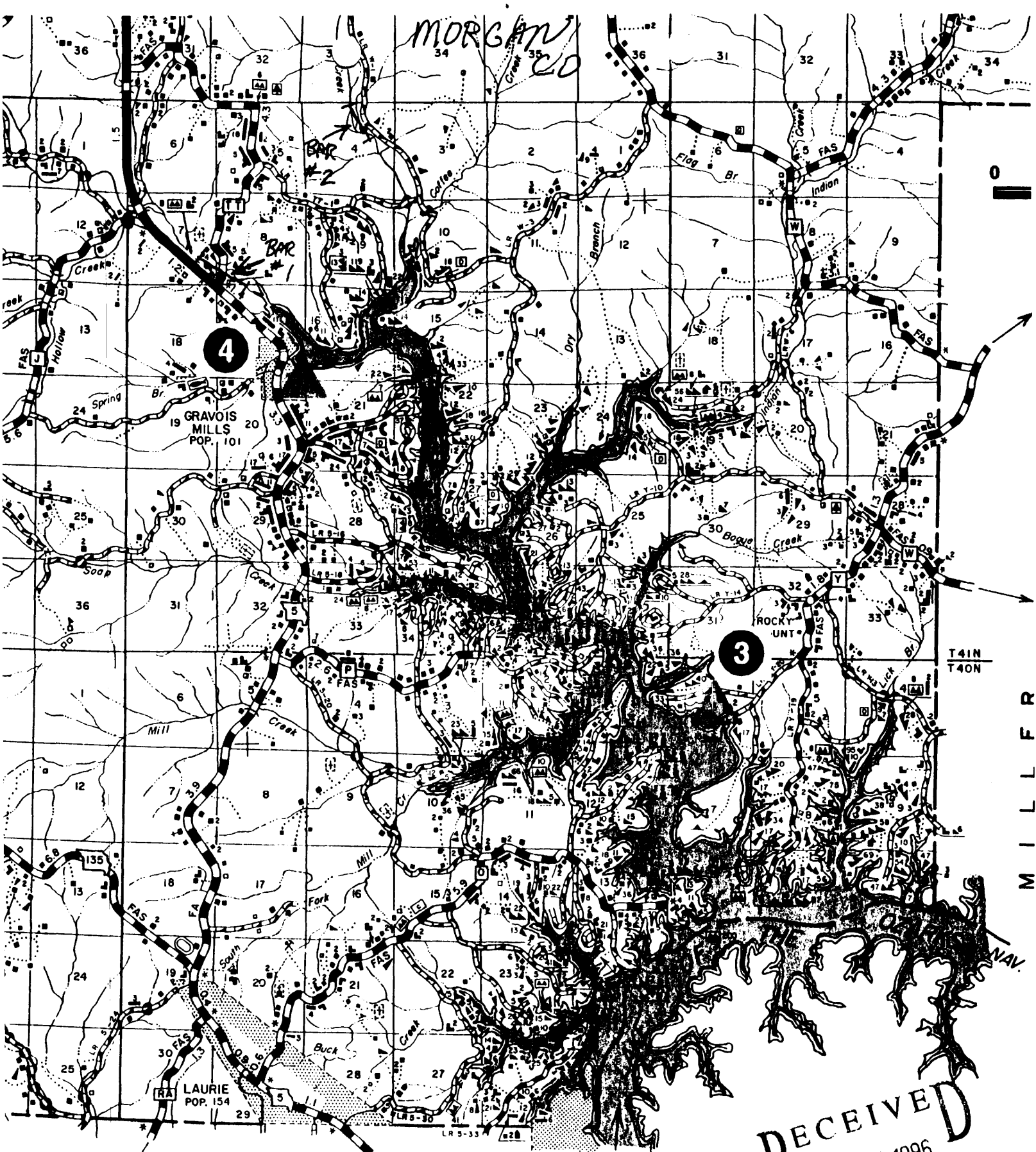
OHWM = Ordinary High Water Mark  
(Elevation 658.5')

DATUM = Union Electric Company



ADJACENT PROPERTY OWNERS:  
Norma Chambers  
Frank Hurley  
Gene Salliers

APPLICATION NO. 93-01012  
BY FISCHER MATERIALS COMPANY  
FOR COMMERCIAL DREDGING  
IN GRAVOIS CREEK AND  
LAKE OF THE OZARKS,  
MILE 6.2+11.2  
MORGAN COUNTY, MISSOURI  
SHEET 1 of 1  
Dated 1/27/94



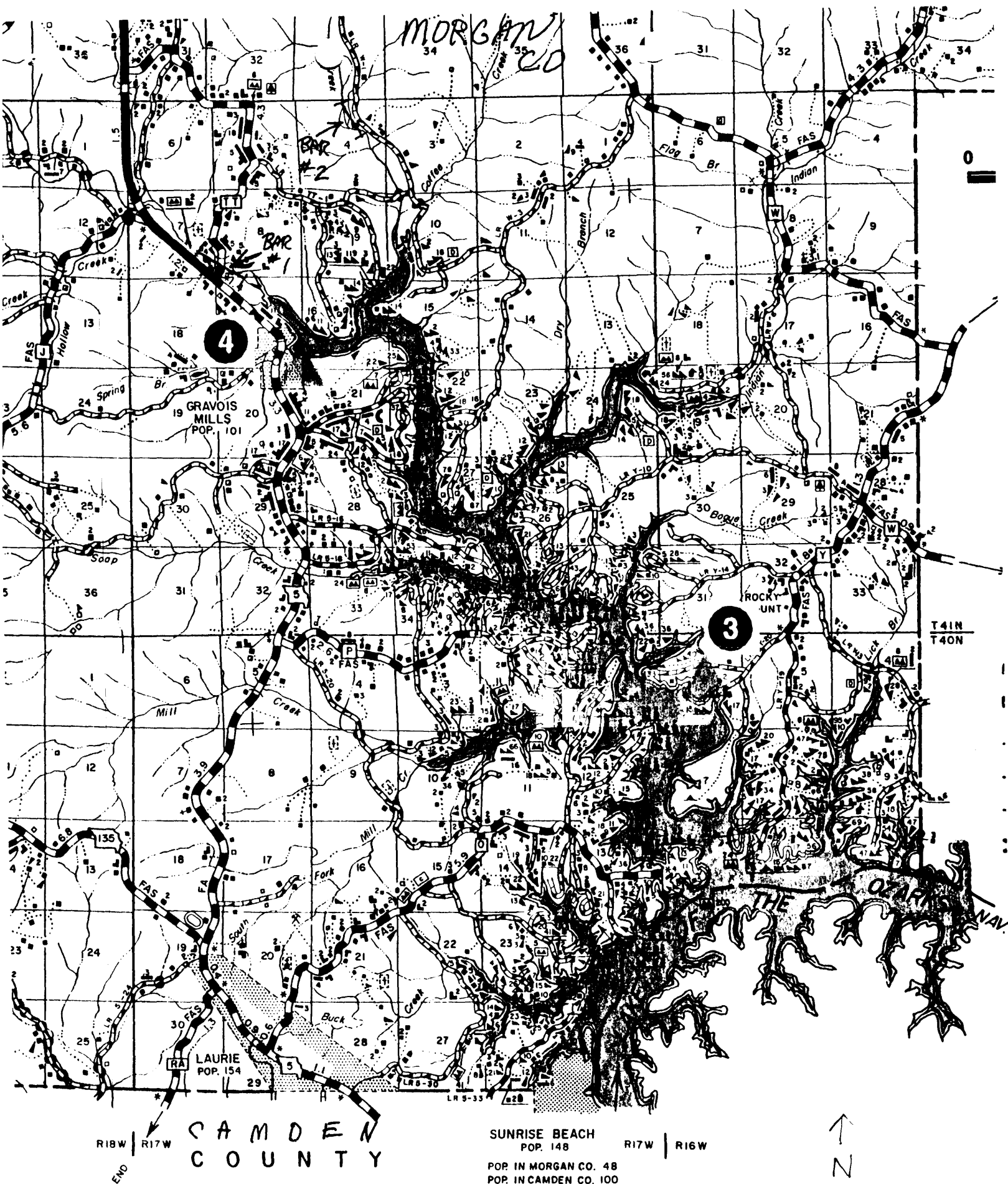
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JAN 29 1996  
MISSOURI LAND  
RECLAMATION COMMISSION

SUNRISE BEACH  
POP. 148  
POP. IN MORGAN CO. 48  
POP. IN CAMDEN CO. 100

CAMDEN  
COUNTY

R18W | R17W  
TO END

R17W | R16W



3-4, T-41N, R-17W  
Fischer Materials

Prepared by:  
John Fischer 2/76

NORTH



MORGAN  
COUNTY  
ROAD W-11

ACCESS  
ROAD

Gratons

CRICK

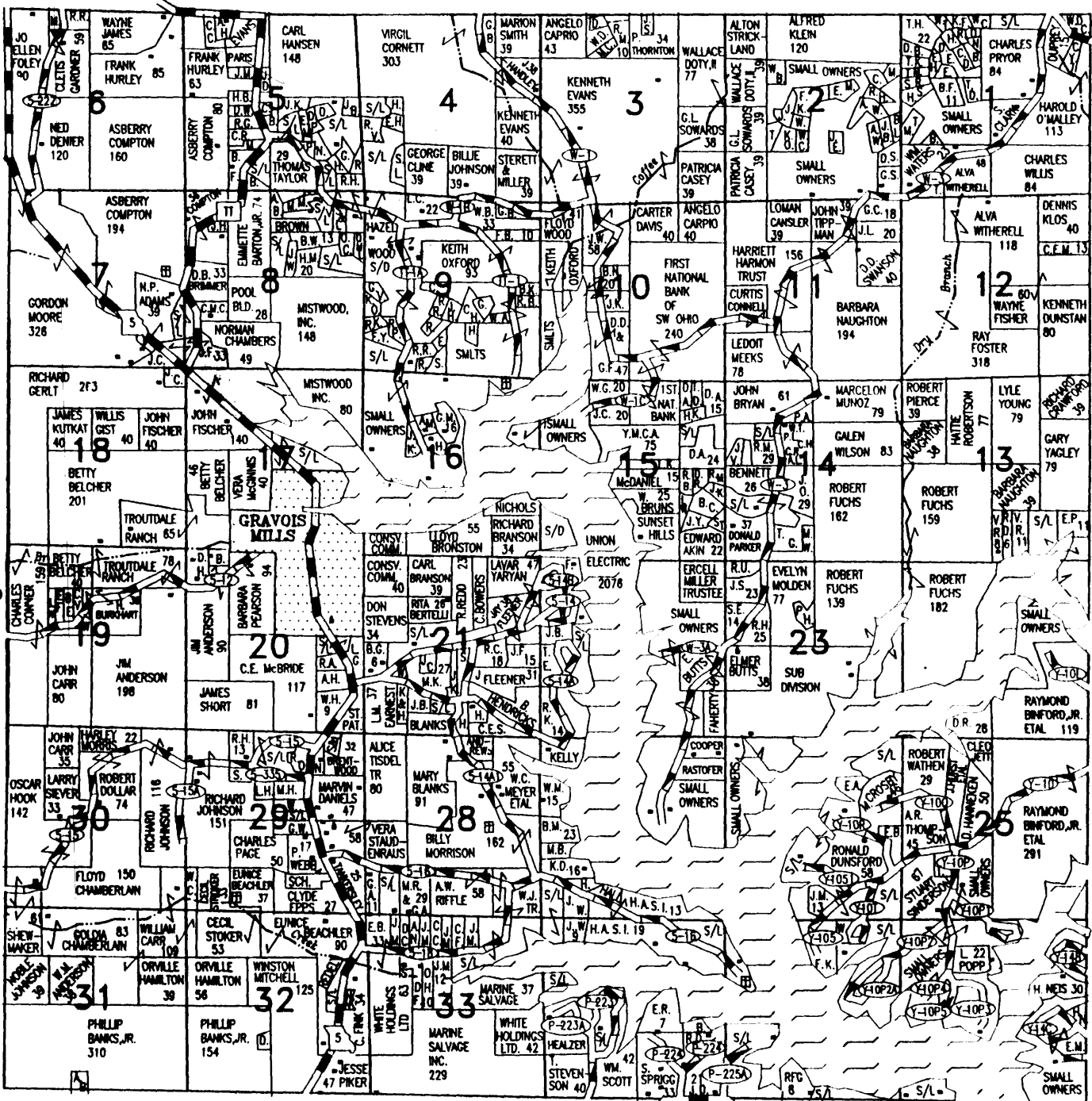
NUQ/NEQ  
SEC. 4  
R17W/T41N

FISCHER MATERIALS  
#2  
GRAVEL BAR

100

# Township 41 Range 17

See Page 21



See Page 29



RECLAMATION COMMISSION  
MISSOURI  
MAH 18-1000

SHAPED YELLOW

TL 30





